

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1671	((silicon or ("Si")) adj (silicon or ("Si")))) adj bond\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 12:02
L2	1671	((silicon or ("Si")) near (silicon or ("Si")))) adj bond\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 12:02
L3	1224	(((silicon or ("Si")) near (silicon or ("Si")))) adj bond\$4) and ((hydrogen or ("H.sub.2")) or methyl)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 12:04
L4	857	(((silicon or ("Si")) near (silicon or ("Si")))) adj bond\$4) and ((hydrogen or ("H.sub.2")) or methyl) and @ad<="20030213"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 12:04
L5	6	"438"/778.ccls. and (((silicon or ("Si")) near (silicon or ("Si")))) adj bond\$4) and ((hydrogen or ("H. sub.2")) or methyl) and @ad<="20030213"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 12:05
L6	228	"438"/\$.ccls. and (((silicon or ("Si")) near (silicon or ("Si")))) adj bond\$4) and ((hydrogen or ("H. sub.2")) or methyl) and @ad<="20030213"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 12:10
L7	336	"257"/\$.ccls. and (((silicon or ("Si")) near (silicon or ("Si")))) adj bond\$4) and ((hydrogen or ("H. sub.2")) or methyl) and @ad<="20030213"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 12:05
S1	2	("20040203255").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/15 08:29

## EAST Search History

S2	118956	organic with ((hydrogen or ("H. sub.2")) or methyl) with (methyl or ethyl or propyl or (tertiary adj butyl) or butyl)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/06 14:10
S3	274002	organic same ((hydrogen or ("H. sub.2")) or methyl) same (methyl or ethyl or propyl or (tertiary adj butyl) or butyl)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/06 14:11
S4	357	(organic with ((hydrogen or ("H. sub.2")) or methyl) with (methyl or ethyl or propyl or (tertiary adj butyl) or butyl)) with (thin adj (film or layer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/06 14:11
S5	6364	organic same ((hydrogen or ("H. sub.2")) or methyl) same (methyl or ethyl or propyl or (tertiary adj butyl) or butyl) same (thin adj (film or layer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/06 14:12
S6	35	(organic with ((hydrogen or ("H. sub.2")) or methyl) with (methyl or ethyl or propyl or (tertiary adj butyl) or butyl)) with (thin adj (film or layer)) with (silicon or ("Si")))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 12:00
S7	498	organic same ((hydrogen or ("H. sub.2")) or methyl) same (methyl or ethyl or propyl or (tertiary adj butyl) or butyl) same (thin adj (film or layer)) same (silicon or ("Si")))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/06 14:13
S8	23	((organic with ((hydrogen or ("H. sub.2")) or methyl) with (methyl or ethyl or propyl or (tertiary adj butyl) or butyl)) with (thin adj (film or layer)) with (silicon or ("Si")))) and @ad<="20030213"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/06 14:17
S9	124	(organic same ((hydrogen or ("H. sub.2")) or methyl) same (methyl or ethyl or propyl or (tertiary adj butyl) or butyl) same (thin adj (film or layer)) same (silicon or ("Si")))) and @ad<="20030213"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/06 14:18

## EAST Search History

S10	7	((organic with ((hydrogen or ("H. sub.2")) or methyl) with (methyl or ethyl or propyl or (tertiary adj butyl) or butyl)) with (thin adj (film or layer)) with (silicon or ("Si")))) and @ad<="20030213" and (ammonia or ("NH.sub.3")) and (oxygen or ("O.sub.2"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 18:01
S11	34	(organic same ((hydrogen or ("H. sub.2")) or methyl) same (methyl or ethyl or propyl or (tertiary adj butyl) or butyl) same (thin adj (film or layer)) same (silicon or ("Si")))) and @ad<="20030213" and (ammonia or ("NH.sub.3")) and (oxygen or ("O.sub.2"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/06 14:40
S12	5	"438"/\$.ccls. and (organic same ((hydrogen or ("H.sub.2")) or methyl) same (methyl or ethyl or propyl or (tertiary adj butyl) or butyl) same (thin adj (film or layer)) same (silicon or ("Si")))) and @ad<="20030213" and (ammonia or ("NH.sub.3")) and (oxygen or ("O.sub.2"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/06 14:42
S13	13	"257"/\$.ccls. and (organic same ((hydrogen or ("H.sub.2")) or methyl) same (methyl or ethyl or propyl or (tertiary adj butyl) or butyl) same (thin adj (film or layer)) same (silicon or ("Si")))) and @ad<="20030213" and (ammonia or ("NH.sub.3")) and (oxygen or ("O.sub.2"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 06:46
S14	0	"438"/778.ccls. and (organic same ((hydrogen or ("H.sub.2")) or methyl) same (methyl or ethyl or propyl or (tertiary adj butyl) or butyl) same (thin adj (film or layer)) same (silicon or ("Si")))) and @ad<="20030213" and (ammonia or ("NH.sub.3")) and (oxygen or ("O.sub.2"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 12:04
S15	1272	(438/778).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/22 06:46

## EAST Search History

S20	1378	(438/778).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/22 06:46
S21	14	"257"/\$.ccls. and (organic same ((hydrogen or ("H.sub.2")) or methyl) same (methyl or ethyl or propyl or (tertiary adj butyl) or butyl) same (thin adj (film or layer)) same (silicon or ("Si")))) and @ad<="20030213" and (ammonia or ("NH.sub.3")) and (oxygen or ("O.sub.2"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 06:55
S22	2	("5840821").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/22 06:46
S23	0	S21 and hafnium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 06:57
S24	0	S21 and (hafnium or ("Hf"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 06:56
S25	945	"257"/\$.ccls. and (organic and ((hydrogen or ("H.sub.2")) or methyl) and (methyl or ethyl or propyl or (tertiary adj butyl) or butyl) and (thin adj (film or layer)) and (silicon or ("Si")))) and @ad<="20030213" and (ammonia or ("NH.sub.3")) and (oxygen or ("O.sub.2"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 06:56
S26	250	S25 and (hafnium or ("Hf"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 06:56

## EAST Search History

S27	58	S25 and hafnium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 06:58
S28	4	S27 and (thermal adj chemical adj vapor adj deposition)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 06:59
S29	8	S26 and (thermal adj chemical adj vapor adj deposition)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 08:26
S30	1	("20040203255").PN.	US-PGPUB	OR	OFF	2006/05/02 17:57
S31	2	(("6562465") or ("5840821")).PN.	USPAT	OR	OFF	2006/05/02 17:58
S32	7	((organic with ((hydrogen or ("H. sub.2")) or methyl) with (methyl or ethyl or propyl or (tertiary adj butyl) or butyl)) with (thin adj (film or layer)) with (silicon or ("Si")))) and @ad<="20030213" and (ammonia or ("NH. <sub>3</sub> ")) and (oxygen or ("O. <sub>2</sub> "))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 18:03
S34	2	("20050064650").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/04 13:49
S35	6	(("5,393,375") or ("5,719,073") or ("5,846,849") or ("6,051,866")). PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/04 13:16
S36	4	(("5,393,375") or ("5,719,073") or ("5,846,849") or ("6,051,866")). PN.	USPAT	OR	OFF	2006/05/04 13:17

## EAST Search History

S37	44	("3672985"   "4437226"   "4472239"   "4522682"   "4648173"   "4649625"   "4653326"   "4670092"   "4682503"   "4685198"   "4740410"   "4776924"   "4783237"   "4783821"   "4816884"   "4833516"   "4845048"   "4853348"   "4914628"   "4980317"   "4988637"   "5008214"   "5068203"   "5072288"   "5106775"   "5198390"   "5235187"   "5264716"   "5346834"   "5360758"   "5393375"   "5426070"   "5443992"   "5466625"   "5466636"   "5508219"   "5528062"   "5547903"   "5581101"   "5614431"   "5643815"   "5719073"   "5846849").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 13:17
S38	44	("3672985"   "4437226"   "4472239"   "4522682"   "4648173"   "4649625"   "4653326"   "4670092"   "4682503"   "4685198"   "4740410"   "4776924"   "4783237"   "4783821"   "4816884"   "4833516"   "4845048"   "4853348"   "4914628"   "4980317"   "4988637"   "5008214"   "5068203"   "5072288"   "5106775"   "5198390"   "5235187"   "5264716"   "5346834"   "5360758"   "5393375"   "5426070"   "5443992"   "5466625"   "5466636"   "5508219"   "5528062"   "5547903"   "5581101"   "5614431"   "5643815"   "5719073"   "5846849").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 13:19
S39	48	("5393375").URPN.	USPAT	OR	ON	2006/05/04 13:20
S40	2	("6124627").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/04 14:31

## EAST Search History

S41	2	("20040157419").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/04 14:42
S42	2	("6351009").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/04 14:42
S43	1	("5256487").PN.	USPAT	OR	OFF	2006/05/15 09:40
S44	1	("5064773").PN.	USPAT	OR	OFF	2006/05/15 09:40